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Fig. 1 (a)

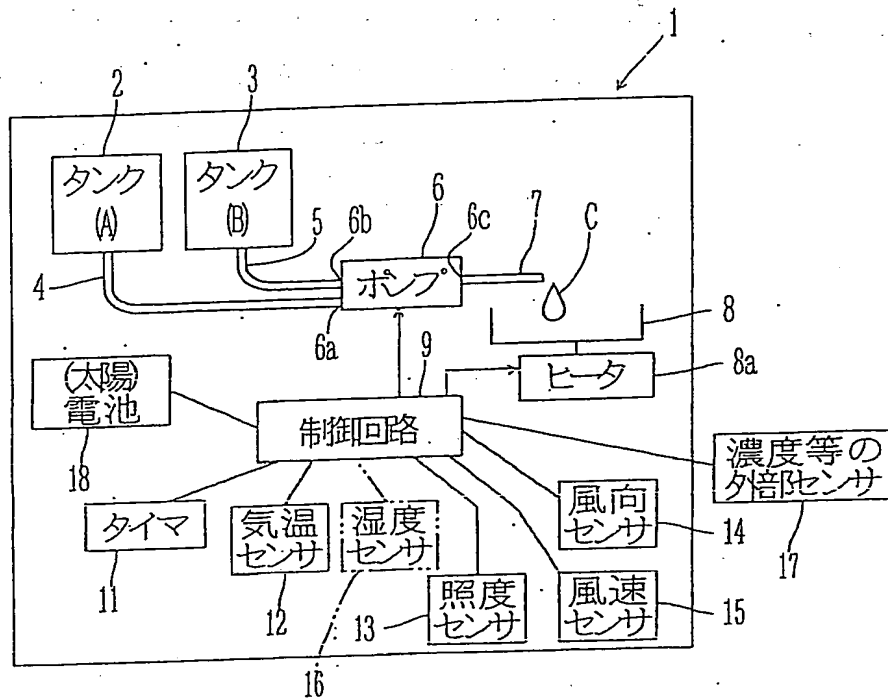
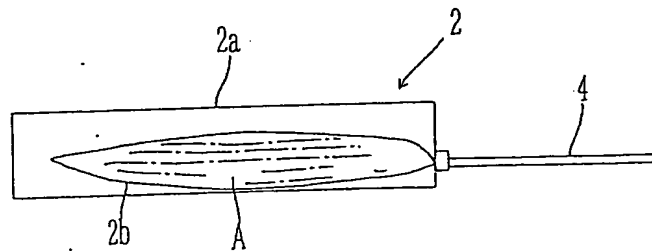


Fig. 1 (b)



2: TANK (A)

3: TANK (B)

6: PUMP

8a: HEATER

9: CONTROL CIRCUIT

11: TIMER

12: TEMPERATURE SENSOR

13: ILLUMINATION SENSOR

14: WIND DIRECTION SENSOR

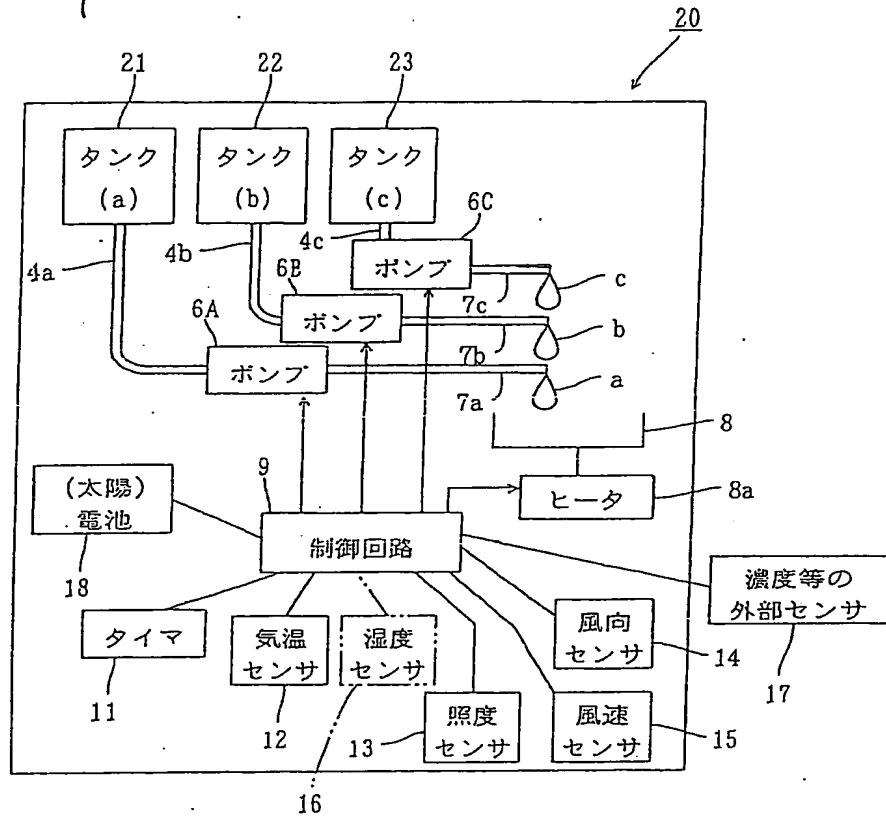
15: WIND VELOCITY SENSOR

16: HUMIDITY SENSOR

17: OUTSIDE SENSOR SUCH AS CONCENTRATION SENSOR

18: (SOLAR) BATTERY

Fig. 2



21: TANK (a)

22: TANK (b)

23: TANK (c)

6A: PUMP

6B: PUMP

6C: PUMP

8a: HEATER

9: CONTROL CIRCUIT

11: TIMER

12: TEMPERATURE SENSOR

13: ILLUMINATION SENSOR

14: WIND DIRECTION SENSOR

15: WIND VELOCITY SENSOR

16: HUMIDITY SENSOR

17: OUTSIDE SENSOR SUCH AS CONCENTRATION SENSOR

18: (SOLAR) BATTERY

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Fig. 3 (a)

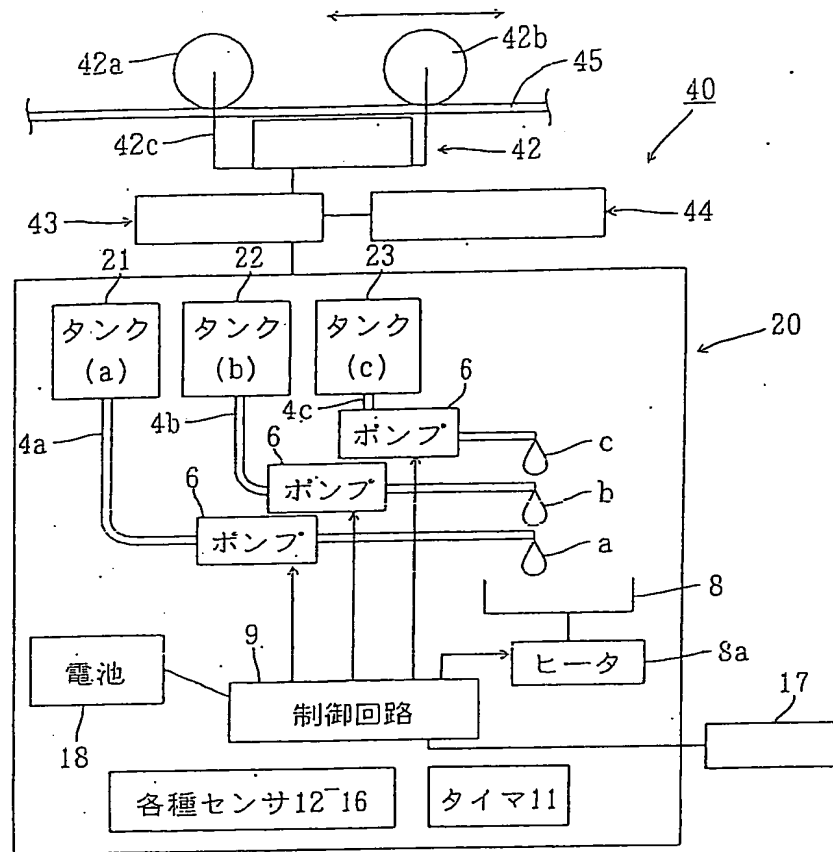
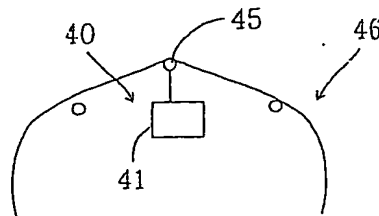


Fig. 3 (b)



21: TANK (a)

22: TANK (b)

23: TANK (c)

6: PUMP

6: PUMP

6: PUMP

8a: HEATER

9: CONTROL CIRCUIT

11: TIMER

12-16: VARIOUS KINDS OF SENSORS

18: BATTERY

Figure 1 is a block diagram of a control system for a water spray device. The system is enclosed in a box labeled 30. It includes a control circuit (9) which is connected to a solar battery (18), a timer (11), a temperature sensor (12), a humidity sensor (13), a light intensity sensor (16), a wind direction sensor (14), a wind speed sensor (15), and an external sensor (17) for concentration, etc. The control circuit (9) controls a pump (6) which draws water from tanks (A) and (B) (2, 3) and sprays it through a nozzle (7) onto a belt (32). The pump (6) is driven by a motor (33). The entire system is labeled 30.

- | | |
|---------------------------|---|
| 2: TANK (A) | |
| 3: TANK (B) | |
| 6: PUMP | 15: WIND VELOCITY SENSOR |
| 9: CONTROL CIRCUIT | 16: HUMIDITY SENSOR |
| 11: TIMER | 17: OUTSIDE SENSOR SUCH AS CONCENTRATION SENSOR |
| 12: TEMPERATURE SENSOR | 18: (SOLAR) BATTERY |
| 13: ILLUMINATION SENSOR | 31: BELT |
| 14: WIND DIRECTION SENSOR | 33: DRIVING MECHANISM |

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Fig. 5 (a)

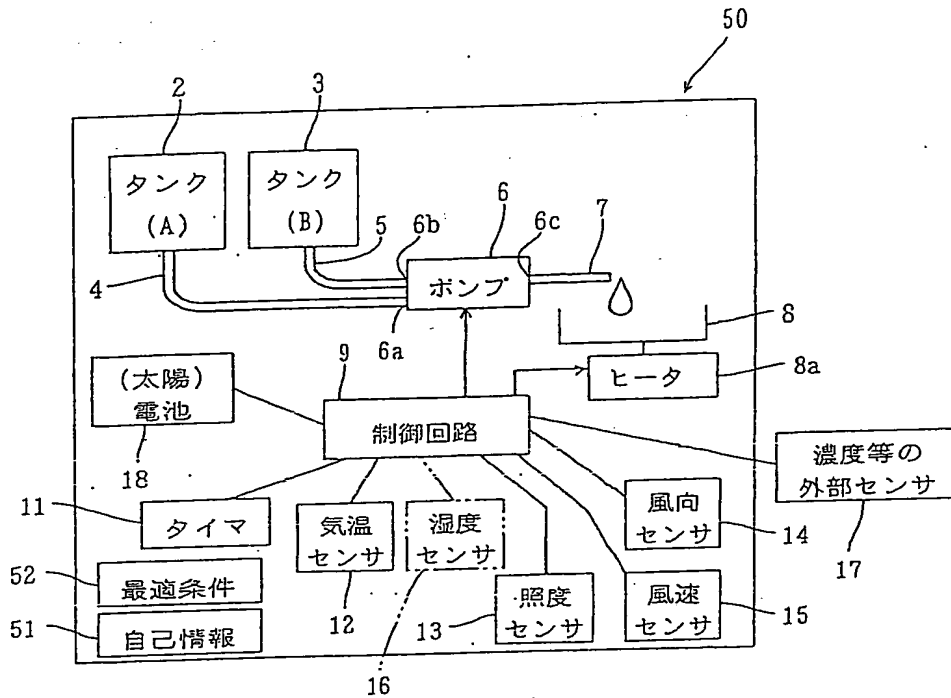
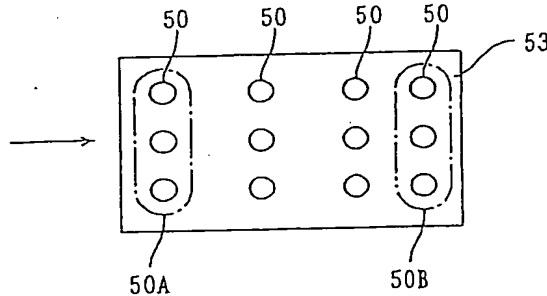


Fig. 5 (b)



2: TANK (A)

3: TANK (B)

6: PUMP

8a: HEATER

9: CONTROL CIRCUIT

11: TIMER

12: TEMPERATURE SENSOR

13: ILLUMINATION SENSOR

14: WIND DIRECTION SENSOR

15: WIND VELOCITY SENSOR

16: HUMIDITY SENSOR

17: OUTSIDE SENSOR SUCH AS CONCENTRATION SENSOR

18: (SOLAR) BATTERY

51: SELF-INFORMATION

52: OPTIMUM CONDITION

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Fig. 6 (b)

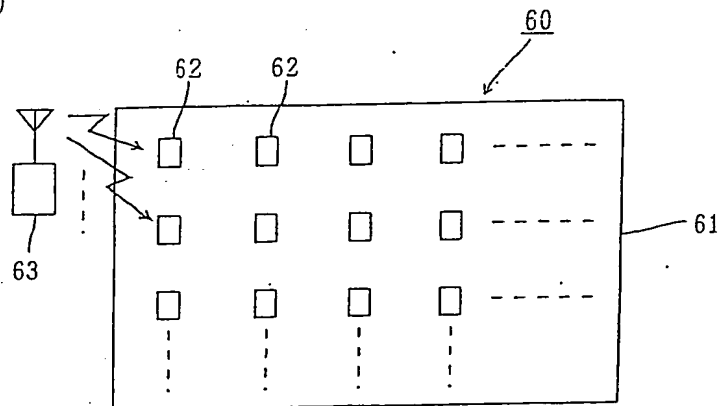
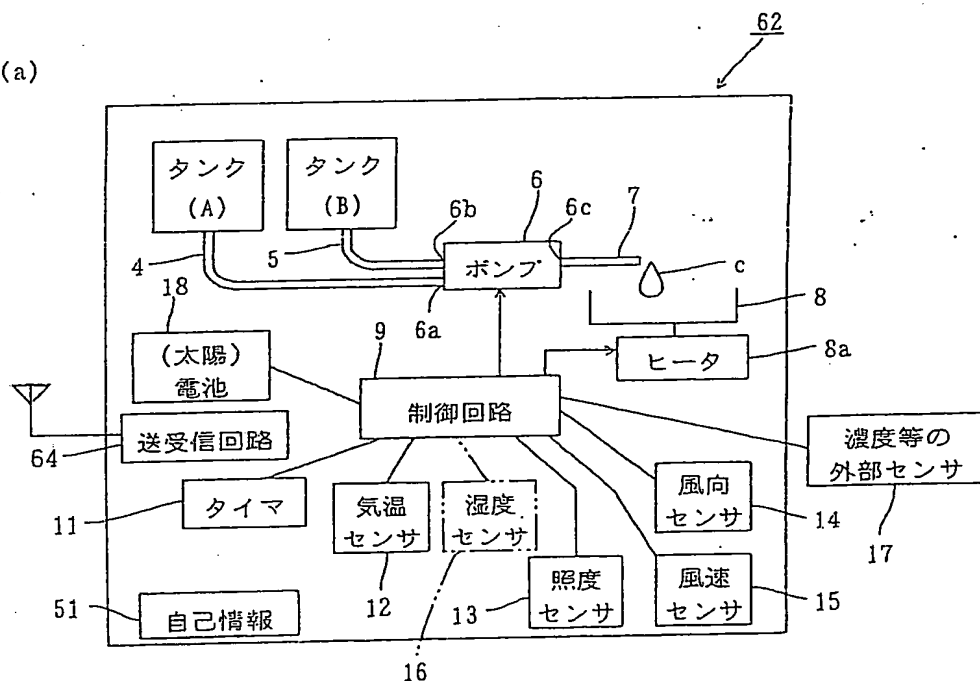


Fig. 6 (a)



TANK (A)

TANK (B)

6: PUMP

8a: HEATER

9: CONTROL CIRCUIT

11: TIMER

12: TEMPERATURE SENSOR

13: ILLUMINATION SENSOR

14: WIND DIRECTION SENSOR

15: WIND VELOCITY SENSOR

16: HUMIDITY SENSOR

17: OUTSIDE SENSOR SUCH AS CONCENTRATION SENSOR

18: (SOLAR) BATTERY

51: SELF-INFORMATION

64: SENDING/RECEIVING CIRCUIT

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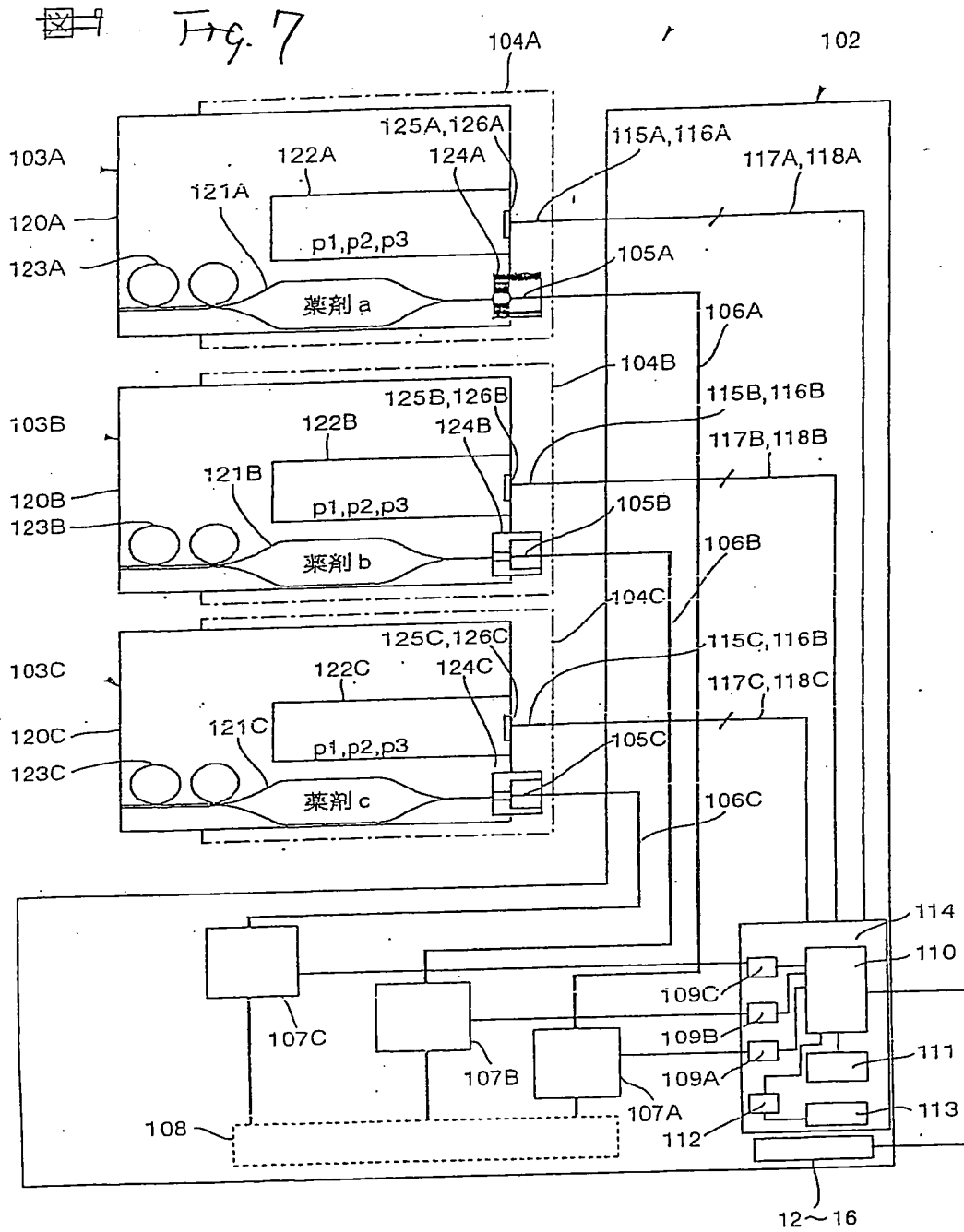
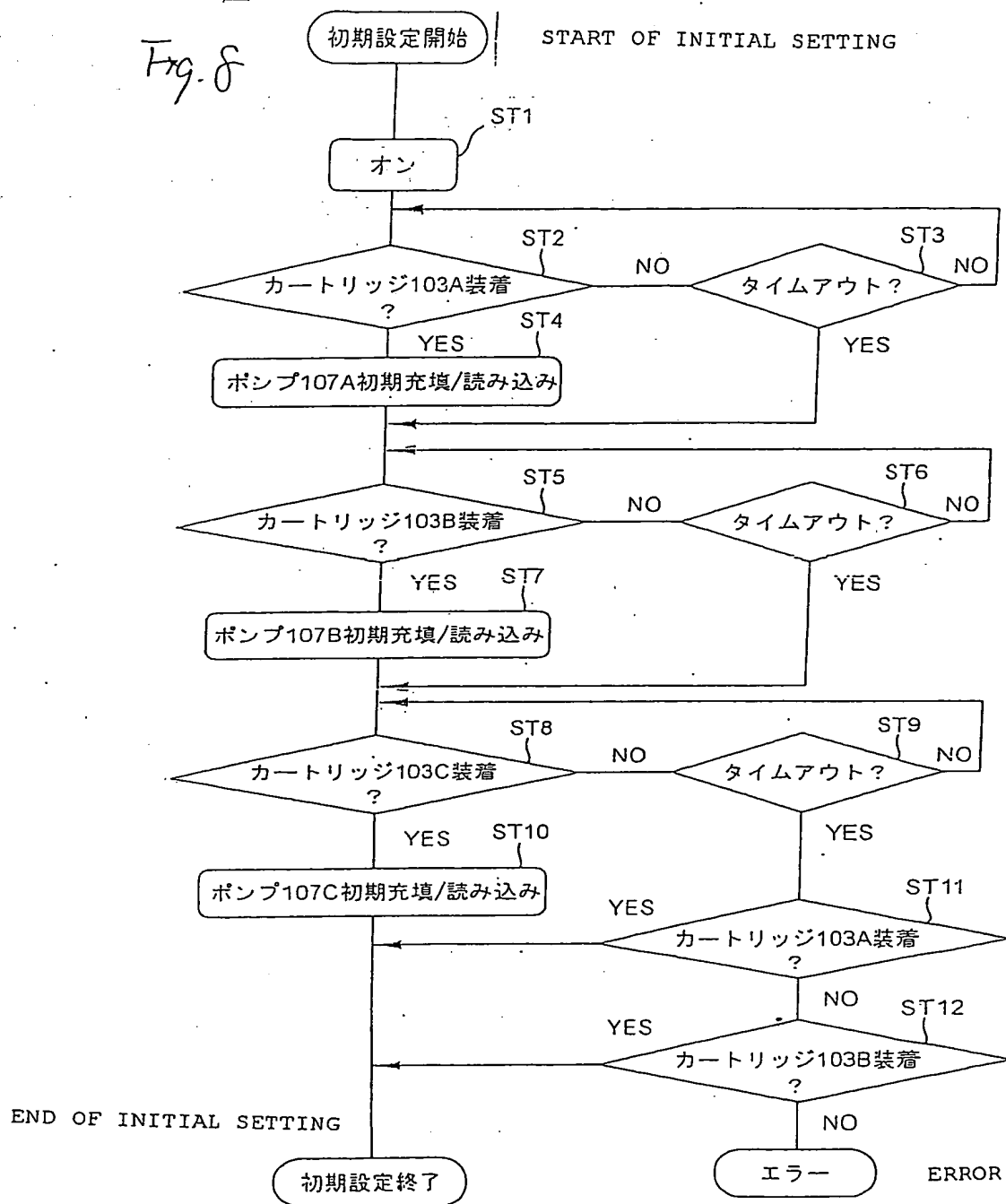


Fig. 8



ST1: ON

ST2: IS CARTRIDGE 103A MOUNTED?

ST3: TIME-OUT?

ST4: INITIAL FILLING-UP OF PUMP 107A / READING

ST5: IS CARTRIDGE 103B MOUNTED?

ST6: TIME-OUT?

ST7: INITIAL FILLING UP OF PUMP 107B / READING

ST8: IS CARTRIDGE 103C MOUNTED?

ST9: TIME-OUT?

ST10: INITIAL FILLING UP OF PUMP 107C / READING

ST11: IS CARTRIDGE 103A MOUNTED?

ST12: IS CARTRIDGE 103B MOUNTED?

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109C: SUBSTRATE

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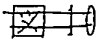
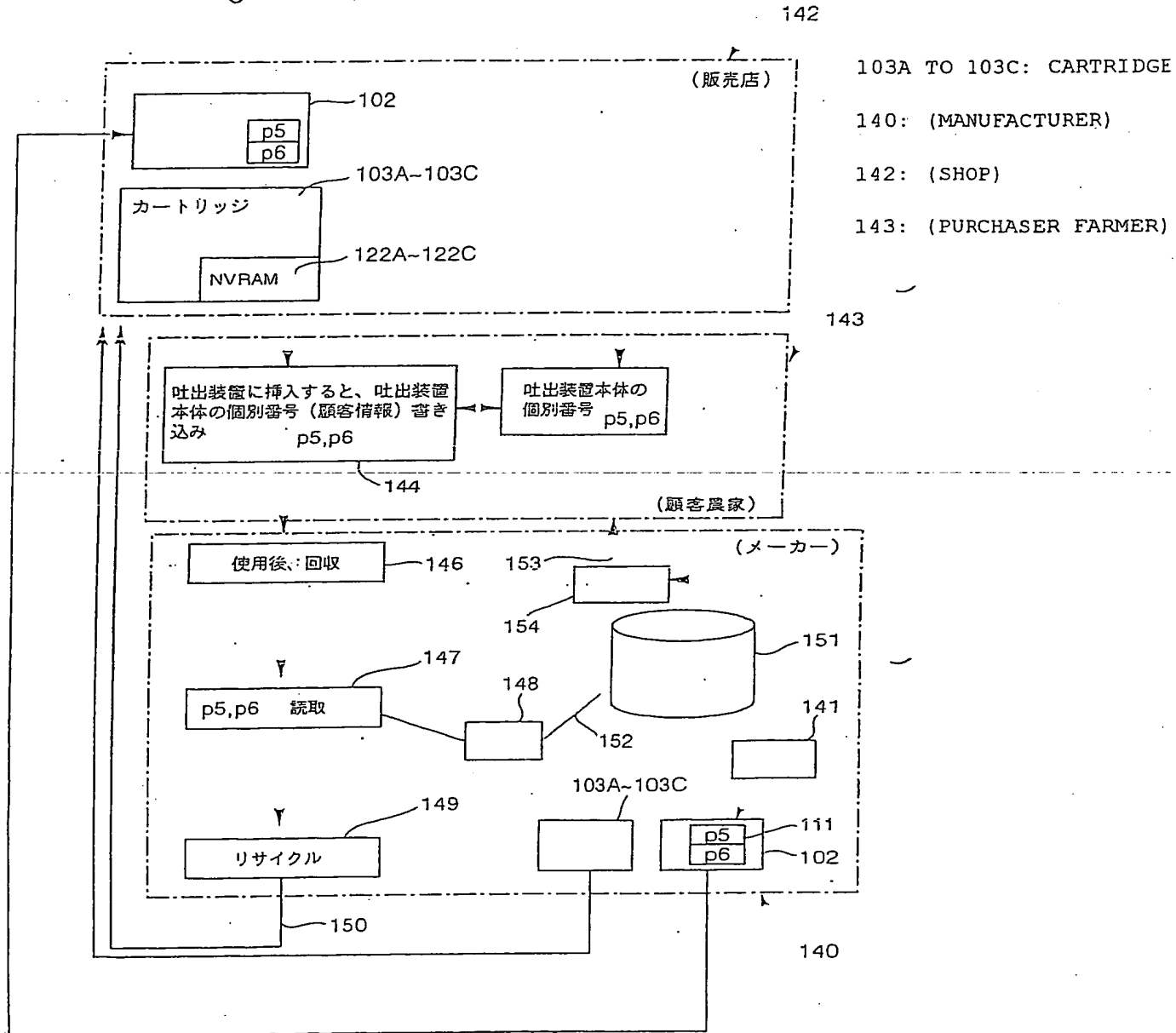


Fig. 10



144: WRITING INDIVIDUAL NUMBER (PURCHASER INFORMATION) OF DISCHARGE APPARATUS BODY AFTER INSERTING DISCHARGE APPARATUS, p5, p6

INDIVIDUAL NUMBER OF DISCHARGE APPARATUS BODY, p5, p6

146: COLLECTING AFTER BEING USED

147: p5, p6 READING

149: RECYCLING

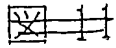
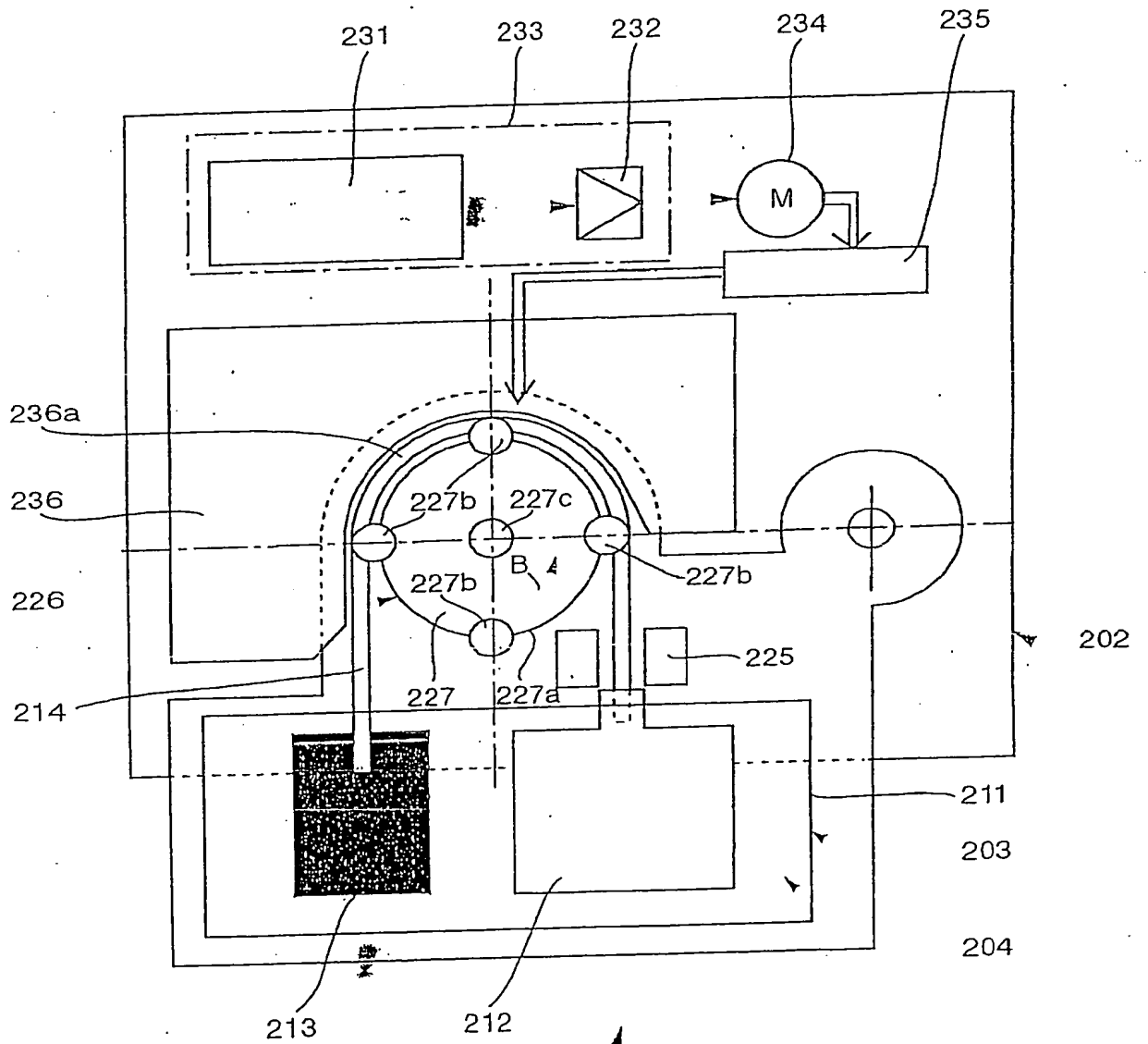


Fig. 11.



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Fig. 12 (a)

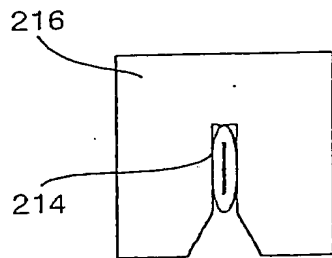
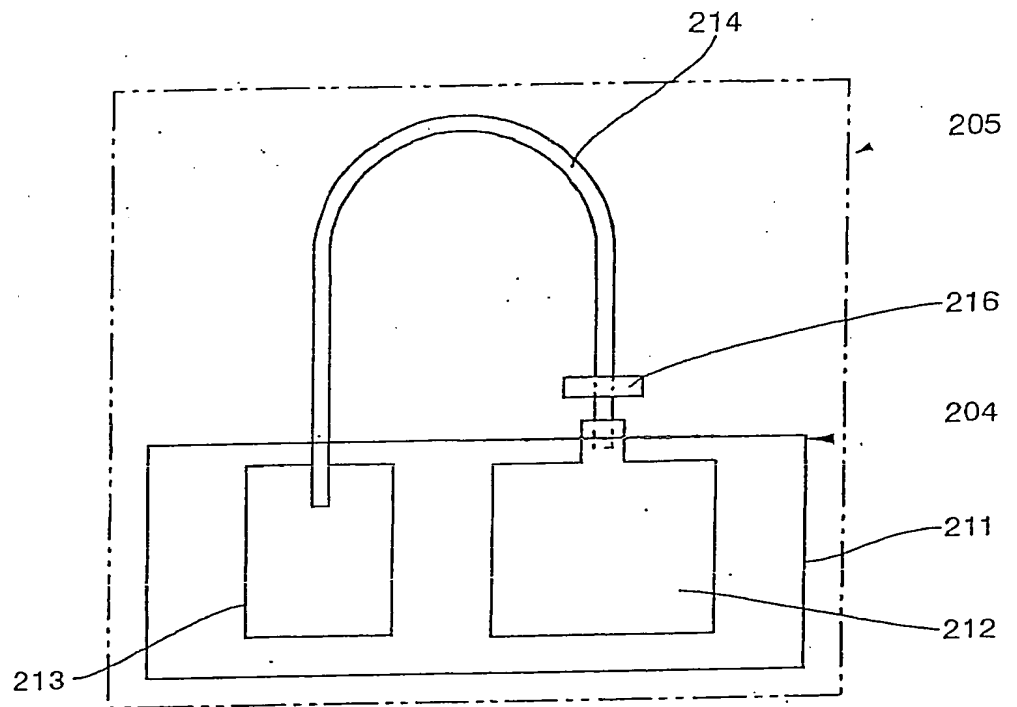


Fig. 12 (b)

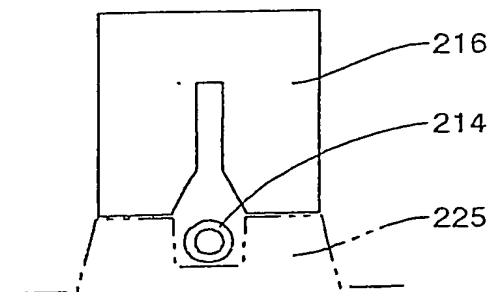
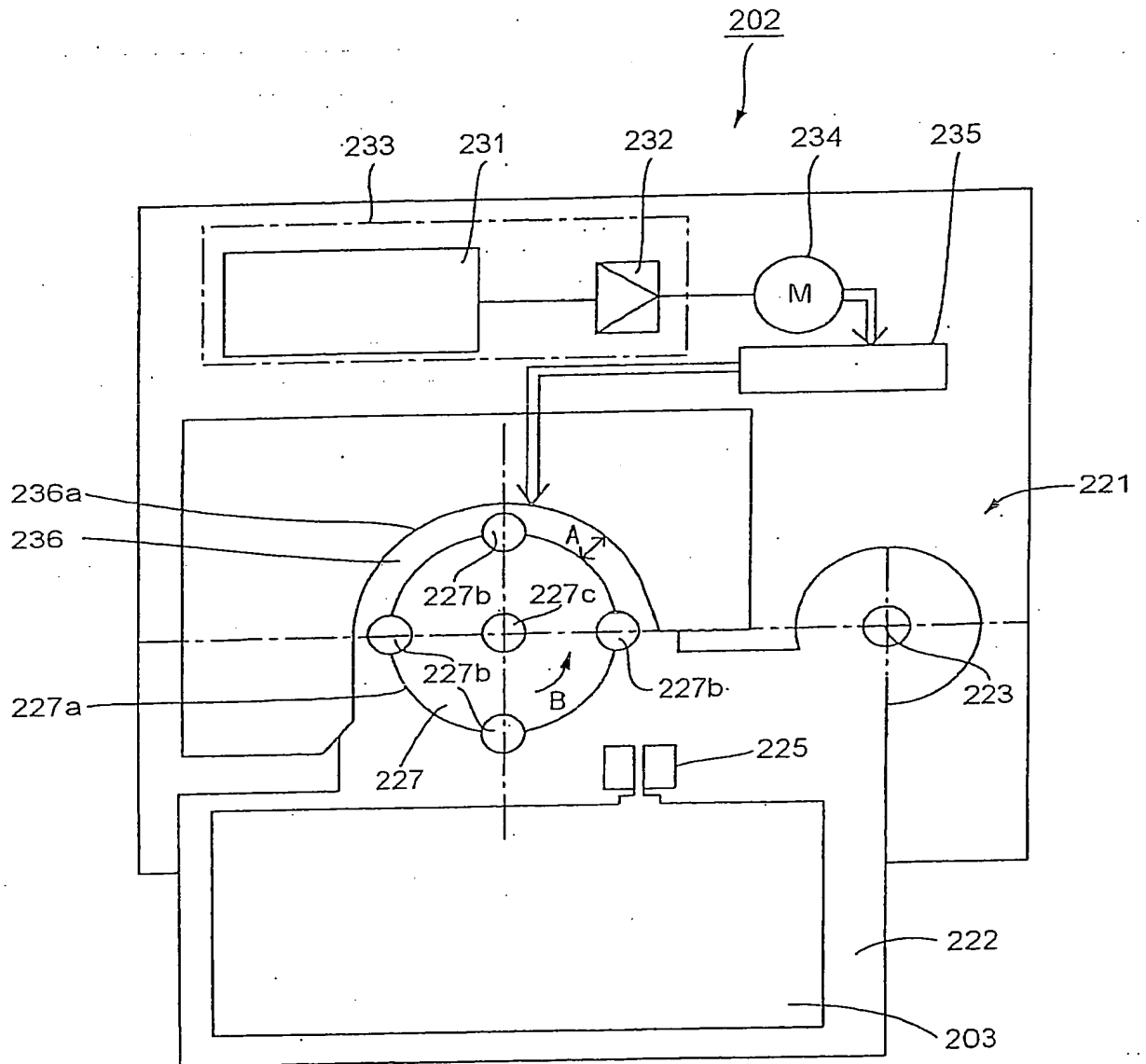


Fig. 12 (c)

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Fig. 13

Fig. 13



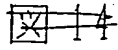


Fig. 14 (a)

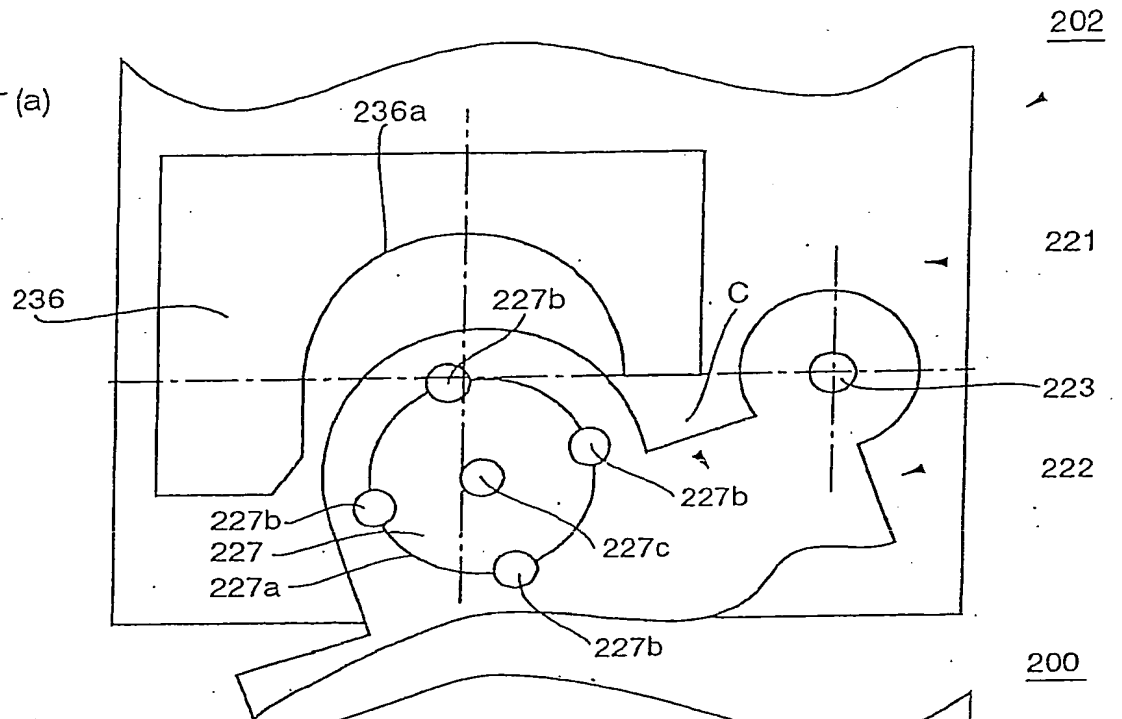
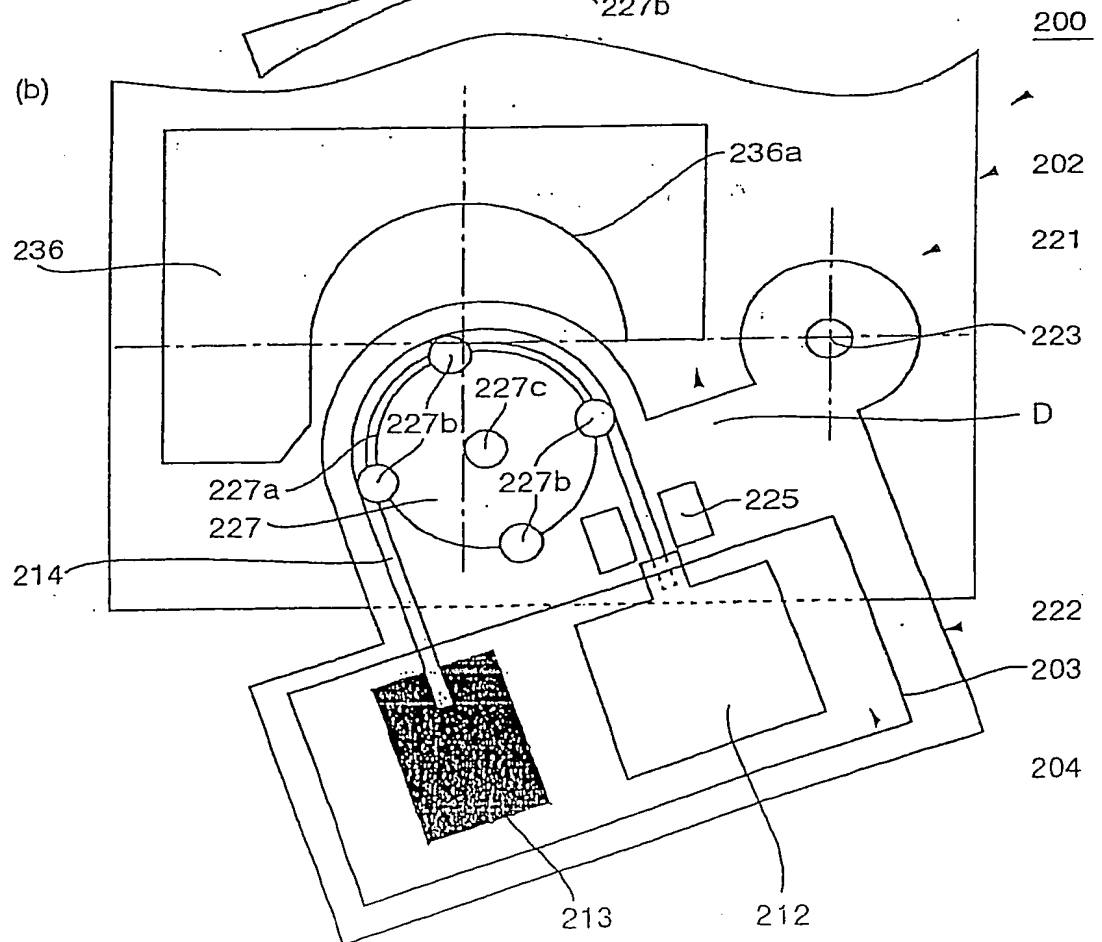


Fig. 14 (b)



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Fig. 15 (a)

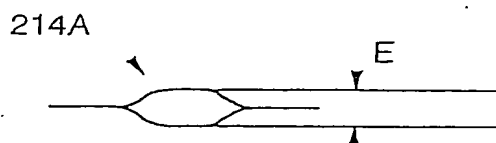
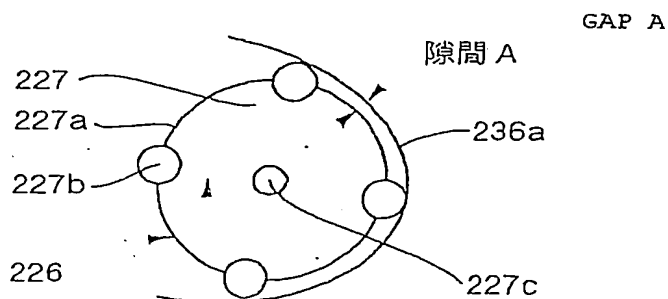


Fig. 15 (b)



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~~16~~

Fig. 16 (a)

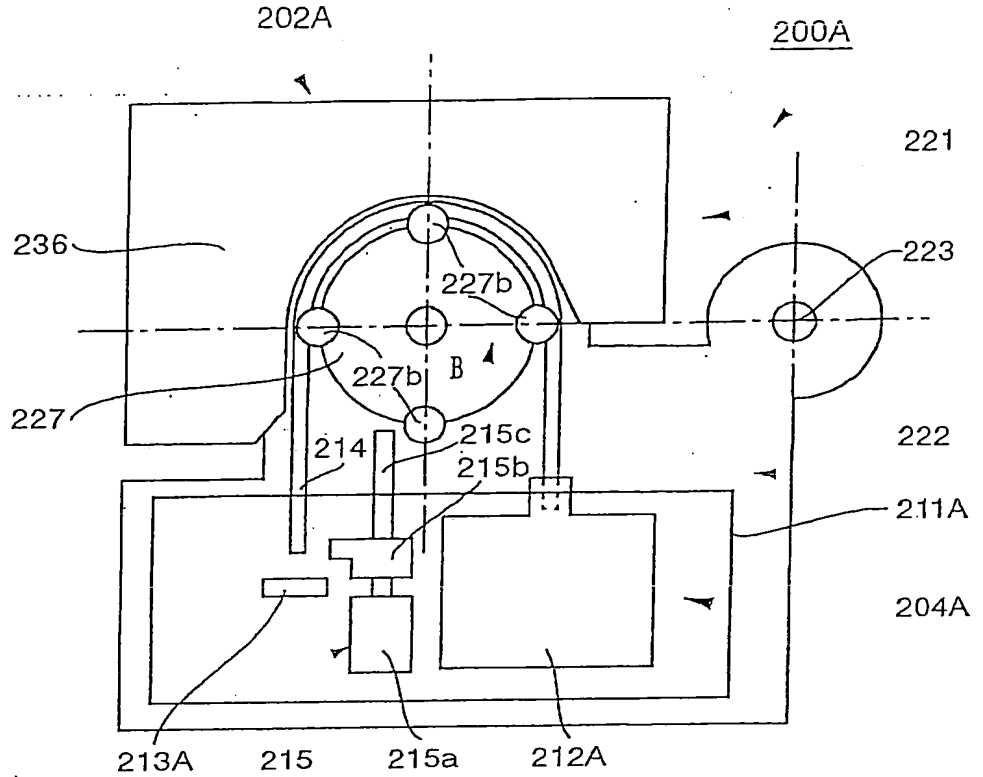
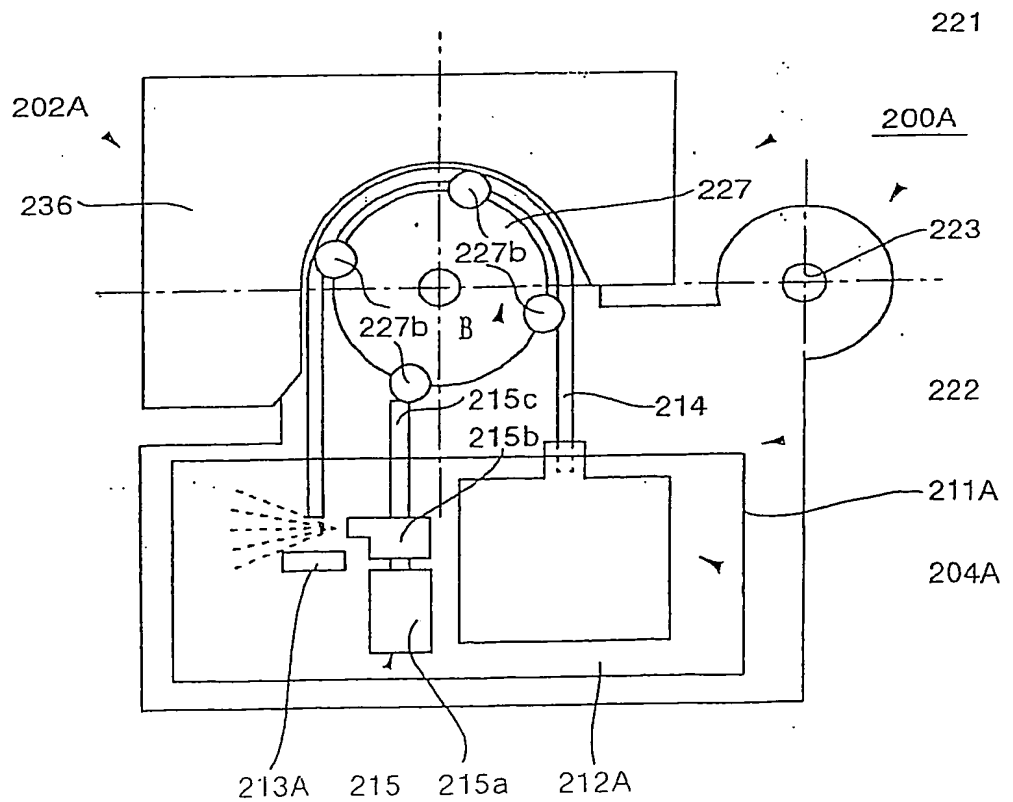


Fig. 16 (b)



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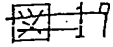
17

Fig. 17 (a)

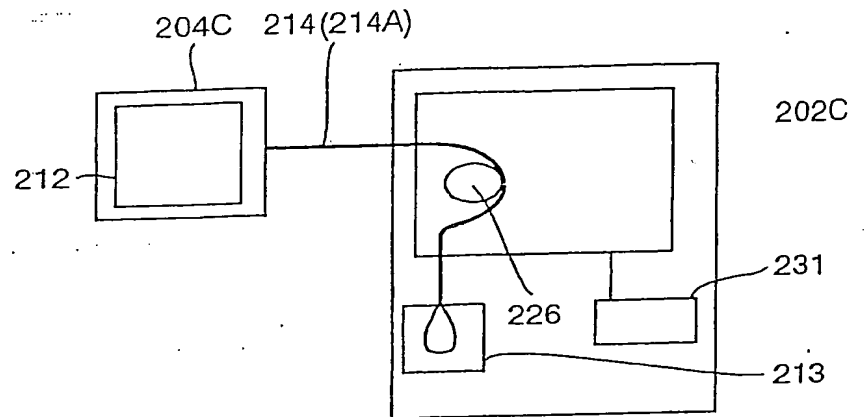


Fig. 17 (b)

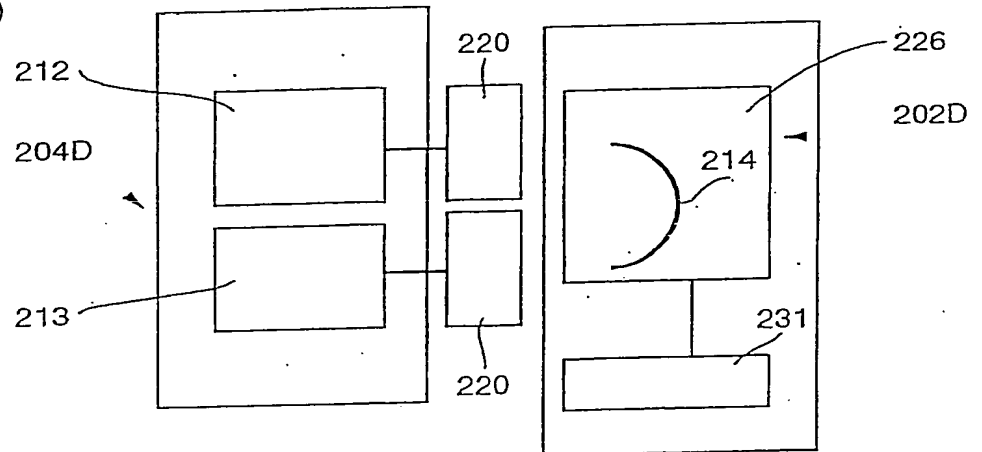


Fig. 17 (c)

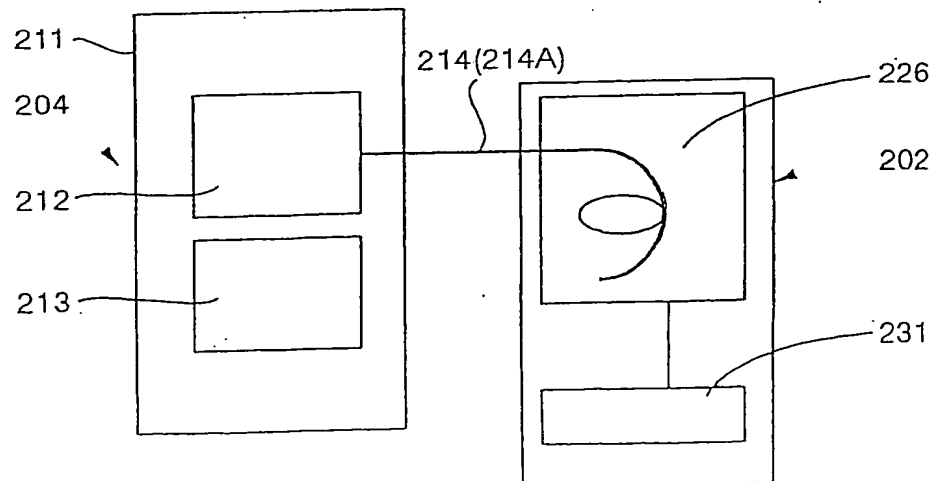


Fig. 18

Fig. 18 (a)

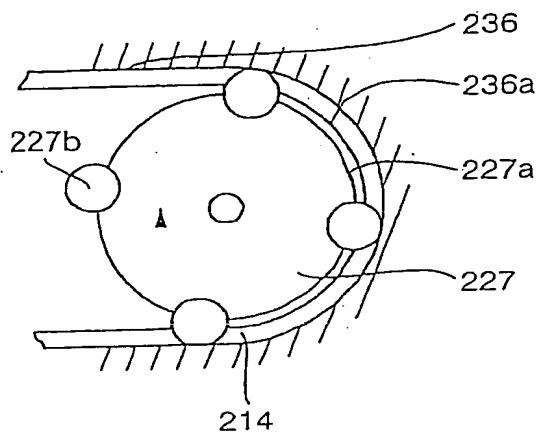
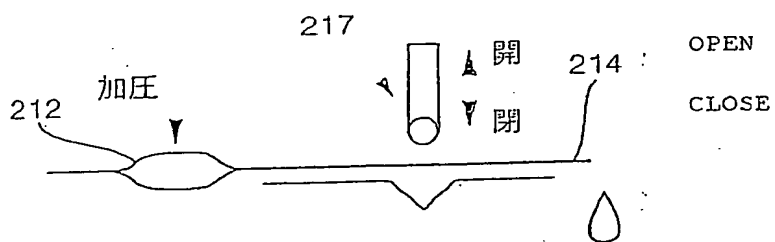


Fig. 18 (b)

212: PRESSURE



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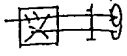


Fig. 19 (a)

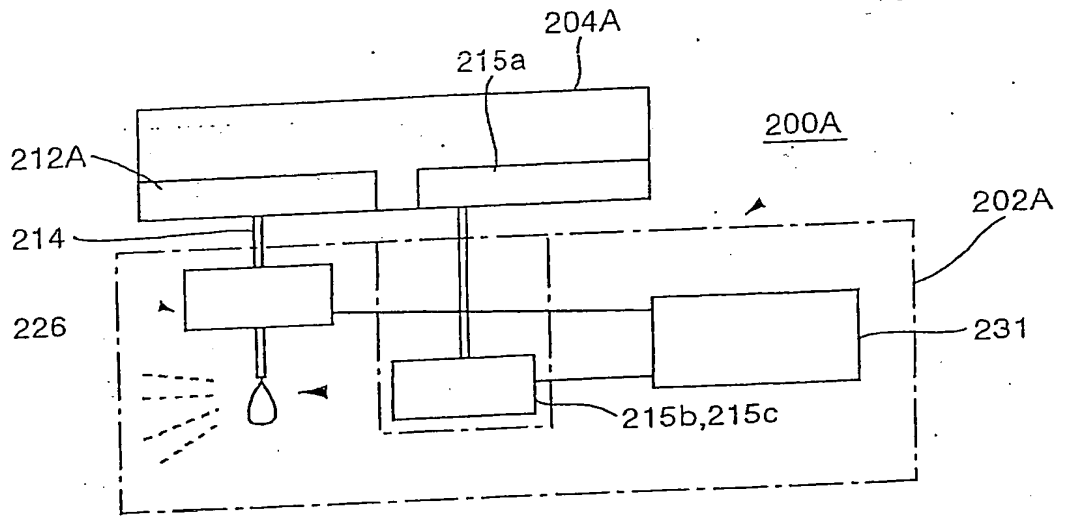


Fig. 19 (b)

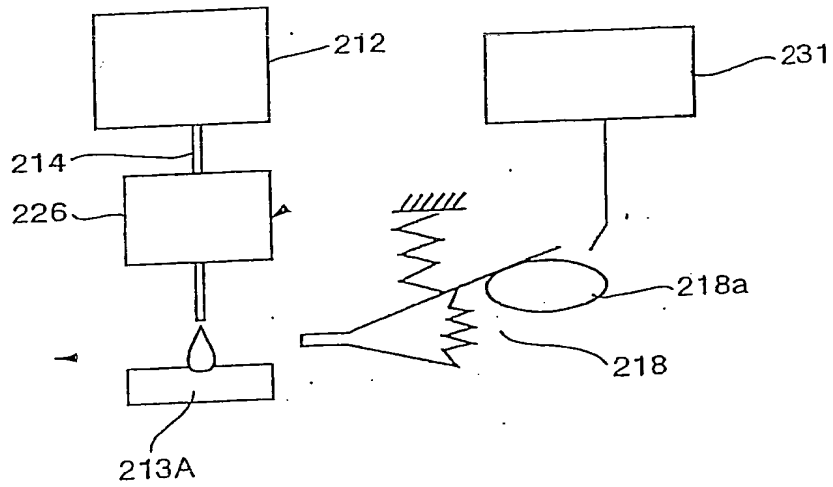


Fig. 19 (c)

